

Hudson Refinery Site (Payne County) Oklahoma

EPA ID# OKD082471988
Site ID: 0601160



EPA REGION 6
CONGRESSIONAL DISTRICT 03

Contacts:
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Current Status

- The Remedial Investigation Report has been finalized by the Oklahoma Department of Environmental Quality (ODEQ). This document may be reviewed at the City of Cushing city hall until the public library construction is complete. The site repository is usually available at the public library.
- Work on the Feasibility Study is continuing. The Treatability Study was started in November 2005.
- The Agency for Toxic Substances and Disease Registry released the Public Health Assessment on June 22, 2006.

Benefits

The cleanup of the contaminated media at the Hudson Oil Refinery Superfund site will reduce the health and ecological risks associated with the remaining contamination.

National Priorities Listing (NPL) History

NPL Inclusion Proposal Date:	April 1999
NPL Inclusion Final Date:	July 19, 1999
NPL Deletion Proposal Date:	n/a
NPL Final Deletion Date:	n/a

Location: The Hudson Refinery site is located in Cushing, Payne County, Oklahoma. Surrounding the site are residential and agricultural lands to the north and commercial properties to the south. Highway 33 (Main Street) separates the site into a "north" and "south" refinery. The "North refinery" consists of approximately 165 acres, and the "South refinery" is approximately 35 acres.

Setting: Historical aerial photographs indicate the site operated as a refinery beginning as early as the mid-1930s. Refining operations ended in 1982, and the site was abandoned. The site historically included aboveground storage tanks, wastewater treatment impoundments, separators, stained soils, a land treatment unit, and loose and friable asbestos containing material. Runoff from the site enters on-site wetlands and storm water collection ponds. The tanks, piping and most of the refinery superstructure were removed from the site during the EPA removal actions.

Population: There are approximately 8,371 residents in the City of Cushing.

Site Map



Health Considerations

There is a potential exposure threat to human health through ingestion, dermal contact, or inhalation of soil or surface water from the site due to hazardous chemicals that may still be present at the site. These materials may present both a cancer and non-cancer risk to human health. Some of the more toxic chemicals residuals that may still be present are TEL, hydrogen sulfide (H₂S), benzene, hydrochloric acid (HCL), hydrosulfuric acid, HF, mercury, arsenic, chromium, ammonia, and calcium hypochlorite. Asbestos containing material associated with the piping and vessels at the facility were friable, had weathered and deteriorated over time posing an increasing risk of release to the air. All aboveground tanks on the site containing some of the more toxic chemicals and the asbestos piping were removed during the 1998 and 2002 removals.

Record of Decision (ROD)

No ROD has been signed for the site

The Record of Decision (ROD) will be developed after the RI/FS and Proposed Plan are presented to the public for comment.

Site Contacts

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